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Dental Student Attrition

1979/80

SUPPLEMENT 5
TO THE
ANNUAL REPORT 1980/81
DENTAL EDUCATION

BEST AVAILABLE COPY

DENTAL STUDENT ATTRITION

Each year the Division of Educational Measurements gathers student attrition data from the 60 U.S. dental schools by means of the Annual Survey on Dental Educational Institutions as well as through withdrawal forms submitted for each of the students who withdraw from school. Students who repeat an academic year and students on temporary leave of absence are not included in this data. For the past seven years since 1973, the attrition rate after one full year of dental education has been approximately 3.5% (see table 1). During the most recent year for which data is available, 1979-80, of 6,132 freshmen students, 216 (3.5%) failed to complete the academic year. During the second year 95 students (1.5% of the sophomore class) withdrew, while 51 withdrew from the junior class (1.0%) and 26 from the final year of dental education (0.5%). These 388 students amount to 1.73% of the total 1979-80 dental school enrollment.

TABLE 1

DENTAL SCHOOL FRESHMAN CLASS ATTRITION
1973/74 to 1979-80

Academic Year	First-Year Enrollment	Withdrawals for Academic Reasons	Withdrawals for Personal Reasons	Total First-Year Withdrawals
1973/74	5,445	98	95	193
% of Freshmen Enrollment		1.80%	1.74%	3.54%
1974/75	5,617	93	116	209
% of Freshmen Enrollment		1.66%	2.05%	3.72%
1975/76	5,763	93	107	200
% of Freshmen Enrollment		1.61%	1.86%	3.47%
1976/77	5,935	77	137	214
% of Freshmen Enrollment		1.20%	2.31%	3.62%
1977/78	5,954	81	119	200
% of Freshmen Enrollment		1.36%	2.00%	3.36%
1978/79	6,301	96	127	230*
% of Freshmen Enrollment		1.50%	2.00%	3.65%
1979/80	6,132	103	113	216
% of Freshmen Enrollment		1.68%	1.84%	3.52%

* In seven cases, reasons for withdrawal were not reported.

Comparing the number of 1979 withdrawals with the number of students in their individual freshmen classes allows us to conclude that an attrition rate of approximately 6.5 percent can be expected of a class of students for the four years of dental education. This is a notable decrease as compared to the 11.6% four year attrition rate of the 1966 entering class (Dental School Attrition Study, Nov. 1970).

REASONS FOR WITHDRAWALS

For the past five years the general reasons for withdrawal have been divided rather evenly between personal reasons and academic reasons (see table 2), with a few more students withdrawing because of personal reasons that are not related to academics.

TABLE 2

REASONS FOR FRESHMAN ATTRITION - 1975-79

	1975		1976		1977		1978		1979	
	#	%	#	%	#	%	#	%	#	%
Withdrawals for Personal Reasons	107	53.5%	137	64.0%	119	59.5%	127	57.0%	113	52.3%
Withdrawals for Academic Reasons	93	46.5%	93	36.0%	81	40.5%	96	43.0%	103	47.7%
Problems in Didactic Courses only	37	18.5%	38	17.8%	31	15.5%	55	24.7%	59	27.3%
Problems in Technic Courses only	21	10.5%	17	7.9%	15	7.5%	6	2.7%	12	5.6%
Problems in Didactic & Technic	35	17.5%	22	10.3%	35	17.5%	35	15.7%	32	14.8%
Total Freshmen Withdrawals	200	100.0%	214	100.0%	200	100.0%	230+	100.0%	216	100.0%

\+ 7 withdrawals unidentified

PERSONAL REASONS

A change of career objective remains the most frequently reported personal reason for withdrawal from dental school. Most of these students were in good academic standing and had no reported difficulty with coursework, but they withdrew to follow a career other than dentistry. This reason was given for 0.8% of the first-year students during their first year in dental school, for approximately 0.4% of the sophomore class, 0.3% of the junior class and 0.1% of the senior class. During the 1978-79 year, 10 students left dental school explicity to enter a medical school: 2 freshmen, 3 sophomores and 5 juniors. During the 1979-80 year 12 students left to enter medical school (see table 3).

TABLE 3

PERSONAL REASONS* FOR WITHDRAWALS, 1979-80

	Freshmen	Sophomore	Junior	Senior	Total
Change of career objective	46	22	13	5	86
Other general reaons	31	13	9	4	57
Lack of interest	20	7	2	2	31
Family problems	17	4	4	2	27
Financial problems	10	5	2	1	18
Emotional problems	8	3	6	1	18
Transfer to other dental school	12	4	1	-	17
Poor health	5	5	6	1	17
Enter medical school	4	6	2	-	12
Disciplinary suspension	4	3	-	2	9

* Sometimes more than one reason was given per student.

The second most frequently reported personal reason for withdrawal from dental school was reported to be the classification of "other", or general personal reasons. Of the 388

students who withdrew from dental school in 1979-80, 57 students withdrew for general personal reasons. The third most common personal reason given for student withdrawal was lack of interest. Thirty-one students (8% of all withdrawals) dropped out of dental school because of lack of interest. The fourth most common personal reason is family problems. Financial reasons were given for the withdrawal of 10 freshmen, 5 sophomores, 2 juniors and one senior. This number (18) has doubled since 1976-77.

ACADEMIC REASONS

Of the 388 students who withdrew from dental school in 1979-80, 44.0 percent (171) withdrew voluntarily or involuntarily because of difficulties encountered in the courses taught in dental school (see table 7, 9, 11, 13). An effort was made to determine in which area of the dental curriculum the students had encountered difficulties, that is, didactic courses, technic or clinical courses. This distinction is particularly interesting when relating the causes of attrition to the Dental Admission Test (DAT) scores used in the admission process.

Of the 6,132 freshmen in dental school in 1979-80, 1.7% (103) withdrew because of academic problems. Of these 103 students, 59 had serious difficulty in didactic courses alone, 12 had difficulty in technic courses only (or with manual dexterity), while 32 had difficulty in both. Although this is a small fragment of the entire national first year enrollment, it is interesting to consider the Dental Admission Test scores of those who withdrew from school as compared to those who remain, (the DAT scores are the only admission criteria available on a national basis and, therefore, are the only criteria considered in this analysis).

Of the 91 instances in which didactic course difficulties led to attrition from the freshman class, 93 of the students (91%) had received an academic DAT score (relating to didactic course performance) below the average score (4). When this is related to the fact that only 62% of the entire freshman class had at least one of the 6 academic DAT scores below 4, the 91% identified for those who dropped out of school is significant (with a chi square significance greater than .001).

As some schools accept students more on the basis of DAT score Averages than on individual DAT subscores, one may wish to take into account only the DAT Academic Average (the mean score of six DAT subscores relating to academic abilities and achievement) when assessing causes of attrition. Of all the freshman students in 1979-80 only % had DAT Academic Averages below the mean (4), whereas of the 91 students who withdrew because of problems in didactic courses 52 (57%) had a DAT Academic Average below 4. This again validates in-

directly the usefulness of the Dental Admission Test scores in admissions evaluations (chi square significance greater than .001).

The other area in which students' difficulties were specified is that of the technic or preclinical courses. Of the 44 students (0.7% of the national first year enrollment) who had insurmountable difficulty in these courses, or this aspect of their dental education, 12 had difficulty only in these courses (needing manual dexterity, perceptual ability and coordination), whereas 32 had difficulties also in didactic courses. Twenty-three of these 44 students had received below average DAT scores on at least one of the two perceptual ability (PAT) sections of the test. That is, 53% of the students who dropped out of dental school because of problems in technic, pre-clinical areas had been admitted to dental school with PAT scores below 4. When taking the entire freshman enrollment in U.S. dental schools in 1979-80, only 33% had been accepted with at least one perceptual test score below average. Again, taking only the PAT Average (the average of the two perceptual ability sections of the DAT), of the entire freshman class, only 12% had PAT Averages below 4, while of the group that dropped out of school because of difficulties in technic courses 47% had PAT Averages below the mean (4). A great significance is again indicated by a chi square value gre-ter than .001.

SEX DIFFERENCES

TABLE 4

ATTRITION, BY SEX, FROM TOTAL ENROLLMENT 1979-80

	Freshman	Sophomore	Junior	Senior	Total
Male	177	75	43	25	320
% of male enrollment	3.5%	1.4%	1.0%	0.5%	1.7%
Female	39	20	8	1	68
% of female enrollment	3.6%	2.0%	1.1%	0.1%	2.0%
Total Attrition	216	95	51	26	388

In 1979 women constituted 17.5% of the entering class in U.S. dental school and 15.5% of the entire dental enrollment. Women, however, made up 18.1% of the first year withdrawals and 17.5% of the withdrawals from all four years. Although the female attrition rate is slightly greater than the rate for males, the difference between the female and male attrition rates is not a significant one, as it had been in the past. The reasons for withdrawal from dental school remain relatively similar for both sexes (see table 5). The women, however, withdrew for personal reasons more often than the men, and the men withdrew for didactic course problems more often than the women.

TABLE 5

REASONS FOR WITHDRAWAL FROM 1979-80 FRESHMAN CLASS, BY SEX

	Personal		Only Didactic Problems		Only Technic Problems		Both Didactic & Technic Problems		Total	
	#	%	#	%	#	%	#	%	#	%
Male	89	50.3%	52	29.4%	9	5.1%	28	15.8%	177	100.0%
Female	25	64.1%	7	17.9%	3	7.7%	4	10.3%	39	100.0%

CONCLUSION

In summary, the attrition rate for the last seven dental school freshman classes has been consistently held to approximately three and one half percent. The national dental school entering class can be expected to experience approximately a 6.5% attrition rate by the time of graduation. The students withdrawing for personal, non-academic reasons are approximately the same in number as those withdrawing because of academic problems. Students withdrew from school more often because of academic problems in didactic courses than in technic courses, both areas of difficulty being predicted significantly by Dental Admission Test scores. Finally, the attrition rate for women, which had been higher than for men in the first year classes in the past, was not significantly greater than the rate for men during both the 1978-79 and 1979-80 academic years.

TABLE 6

SUMMARY STATISTICS
OF
FRESHMAN CLASS 1979-80

Scholl	Number of Freshman M	Number of Freshman F	Number of Withdrawals M	Number of Withdrawals F	Attrition % of both male and female
University of Alabama	57	14	3	-	4.2
University of the Pacific	109	28	-	-	-
Univ. of California, S.F.	92	16	1	-	0.9
Univ. of California, L.A.	73	36	1	2	2.8
Univ. of Southern California	129	21	-	-	-
Loma Linda University	86	11	10	2	12.4
Univ. of Colorado	19	7	-	-	-
Univ. of Connecticut	45	10	1	1	3.6
Georgetown University	127	22	5	1	4.0
Howard University	80	31	9	1	9.0
University of Florida	49	17	2	-	2.6
Emory University	94	12	3	-	2.8
Medical College of Georgia	55	9	-	1	1.6
Loyola University	122	25	5	-	3.4
Northwestern University	104	15	4	1	4.2
Southern Illinois Univ.	41	12	-	-	-
University of Illinois	131	34	2	-	1.2
Indiana University	102	27	3	2	3.9
University of Iowa	79	17	3	-	3.1
University of Kentucky	43	15	1	-	1.7
Univ. of Louisville	67	18	8	3	12.9
Louisiana State Univ.	89	12	7	2	7.9
University of Maryland	115	25	1	-	0.7
Harvard University	13	8	-	1	4.8
Boston University	32	12	1	-	2.3
Tufts University	129	27	1	1	1.3
University of Detroit	74	12	1	-	1.2
University of Michigan	132	27	3	1	2.5
Univ. of Minnesota	125	25	6	3	6.0
Univ. of Mississippi	45	7	5	1	11.5
Univ. of Missouri, K.C.	147	14	3	-	1.9
Washington University	72	15	2	-	2.3
Creighton University	65	12	4	2	7.8
University of Nebraska	59	7	1	-	1.5
Fairleigh Dickinson Univ.	66	18	3	-	3.6
New Jersey College	77	15	5	1	7.6
Columbia University	47	15	3	2	8.1
New York University	176	36	6	-	2.8
Univ. of New York, S.B.	21	6	-	-	-
Univ. of New York, Buffalo	74	13	5	-	5.7
Univ. of North Carolina	62	20	3	1	4.9
Ohio State University	185	25	5	-	2.4
Case Western Reserve Univ.	79	22	7	4	10.9
University of Oklahoma	60	14	5	1	8.1
Oral Roberts University	23	1	3	-	12.5
University of Oregon	67	15	4	-	4.9
Temple University	135	21	2	-	1.3
Univ. of Pennsylvania	121	42	1	-	0.6
Univ. of Pittsburgh	91	18	2	-	1.8
Univ. of South Carolina	46	10	-	-	-
Meharry Med. College	33	19	1	1	3.8
Univ. of Tennessee	148	14	5	-	3.1
Baylor University	123	18	5	-	3.5
Univ. of Texas, Houston	98	26	1	-	0.8
Univ. of Texas, S.A.	131	21	5	1	3.9
Virginia Com. University	91	20	3	2	4.5
Univ. of Washington	85	15	-	-	-
West Virginia Univ.	53	10	2	1	4.8
Marquette University	118	19	4	-	2.9
Univ. of Puerto Rico	43	23	-	-	-
Total	5056	1076	177	39	3.5

TABLE 7

SUMMARY STATISTICS
OF
REASON FOR WITHDRAWAL
FRESHMEN CLASS 1979-80

School	Personal		Scholastic Difficulty					
			Didactic only		Manual only		Both Didactic and Manual	
	M	F	M	F	M	F	M	F
University of Alabama	1	-	2	-	-	-	-	-
University of the Pacific	-	-	-	-	-	-	-	-
Univ. of California, S.F.	1	-	-	-	-	-	-	-
Univ. of California, L.A.	-	2	1	-	-	-	-	-
Univ. of Southern California	-	-	-	-	-	-	-	-
Loma Linda University	4	-	2	-	-	-	4	2
University of Colorado	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	1	1	-	-	-	-	-
Georgetown University	5	1	-	-	-	-	-	-
Howard University	2	1	7	-	-	-	-	-
University of Florida	2	-	-	-	-	-	-	-
Emory University	1	-	1	-	-	-	1	-
Medical College of Georgia	-	-	-	-	-	1	-	-
Loyola University	4	-	-	-	-	-	1	-
Northwestern University	3	1	1	-	-	-	-	-
Southern Illinois University	-	-	-	-	-	-	-	-
University of Illinois	2	-	-	-	-	-	-	-
Indiana University	3	2	-	-	-	-	-	-
University of Iowa	3	-	-	-	-	-	-	-
University of Kentucky	1	-	-	-	-	-	-	-
Univ. of Louisville	5	3	3	-	-	-	-	-
Louisiana State University	3	1	1	-	-	-	3	1
University of Maryland	-	-	1	-	-	-	-	-
Harvard University	-	1	-	-	-	-	-	-
Boston University	-	-	1	-	-	-	-	-
Tufts University	-	-	-	-	1	1	-	-
University of Detroit	-	-	-	-	-	-	1	-
University of Michigan	-	-	1	1	-	-	2	-
Univ. of Minnesota	2	2	1	1	1	-	2	-
Univ. of Mississippi	1	2	4	-	-	-	-	-
Univ. of Missouri, K.C.	-	-	3	-	-	-	-	-
Washington University	1	-	-	-	1	-	-	-
Creighton University	1	-	3	2	-	-	-	-
University of Nebraska	1	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	2	-	1	-	-	-	-	-
New Jersey College	1	-	3	-	-	-	2	1
Columbia University	1	1	2	1	-	-	-	-
New York University	5	-	-	-	1	-	-	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	2	-	1	-	-	-	2	-
Univ. of North Carolina	2	-	-	-	-	1	1	-
Ohio State University	2	-	2	-	-	-	1	-
Case Western Reserve Univ.	3	4	-	-	1	-	3	-
University of Oklahoma	4	1	1	-	-	-	-	-
Oral Roberts University	2	-	-	-	-	-	1	-
University of Oregon	1	-	3	-	-	-	-	-
Temple University	2	-	-	-	-	-	-	-
Univ. of Pennsylvania	1	-	-	-	-	-	-	-
Univ. of Pittsburgh	2	-	-	-	-	-	-	-
Univ. of South Carolina	-	-	-	-	-	-	-	-
Meharry Med. College	1	1	-	-	-	-	-	-
Univ. of Tennessee	1	-	-	-	1	-	3	-
Baylor University	4	-	-	-	-	-	1	-
Univ. of Texas, Houston	1	-	-	-	-	-	-	-
Univ. of Texas, S.A.	1	-	4	1	-	-	-	-
Virginia Com. University	1	1	3	1	-	-	-	-
Univ. of Washington	-	-	-	-	-	-	-	-
West Virginia Univ.	-	-	-	-	3	-	-	-
Marquette University	4	-	-	-	-	-	-	-
Univ. of Puerto Rico	-	-	-	-	-	-	-	-
Total	89	25	52	7	9	3	28	4

TABLE 8

SUMMARY STATISTICS
OF
SOPHOMORE CLASS 1979-80

School	Number of Sophomore M	Number of Sophomore F	Number of Withdrawals M	Number of Withdrawals F	Attrition % of both male and female
University of Alabama	67	11	1	-	1.3
University of the Pacific	121	14	-	-	-
Univ. of California, S.F.	88	20	-	-	-
Univ. of California, L.A.	88	26	2	2	3.5
Univ. of Southern California	125	22	3	-	2.0
Loma Linda University	73	11	1	-	1.2
Univ. of Colorado	22	7	-	-	-
Univ. of Connecticut	35	8	2	1	6.9
Georgetown University	127	19	-	-	-
Howard University	89	30	3	1	3.4
University of Florida	53	13	1	-	1.5
Emory University	90	11	2	1	2.9
Medical College of Georgia	53	5	-	1	1.7
Loyola University	123	20	-	1	7.0
Northwestern University	99	18	3	-	2.6
Southern Illinois Univ.	49	5	-	-	-
University of Illinois	139	22	1	-	0.6
Indiana University	115	14	5	-	3.9
University of Iowa	74	17	1	-	1.1
University of Kentucky	40	20	-	-	-
Univ. of Louisville	69	12	2	-	2.5
Louisiana State Univ.	78	13	-	-	-
University of Maryland	118	28	-	1	0.7
Harvard University	11	8	2	-	10.5
Boston University	27	13	2	1	7.5
Tufts University	133	34	1	-	0.6
University of Detroit	79	9	-	-	-
University of Michigan	115	30	3	1	2.8
Univ. of Minnesota	117	29	2	-	1.4
Univ. of Mississippi	31	4	2	-	5.9
Univ. of Missouri, K.C.	141	18	2	-	1.3
Washington University	76	8	1	-	1.2
Creighton University	67	10	-	-	-
University of Nebraska	58	8	1	-	1.5
Fairleigh Dickinson Univ.	74	7	1	1	2.5
New Jersey College	76	16	1	-	1.1
Columbia University	45	9	1	-	1.9
New York University	340	59	3	-	0.8
Univ. of New York, S.B.	26	1	-	-	-
Univ. of New York, Buffalo	80	15	2	-	2.1
Univ. of North Carolina	70	10	1	-	1.3
Ohio State University	182	25	2	-	1.0
Case Western Reserve Univ.	72	27	-	-	-
University of Oklahoma	63	3	1	1	3.0
Oral Roberts	19	4	1	2	13.0
University of Oregon	71	10	-	-	-
Temple University	132	19	1	-	0.7
Univ. of Pennsylvania	121	30	2	2	2.6
Univ. of Pittsburgh	86	23	1	1	1.8
Univ. of South Carolina	51	5	-	-	-
Meharry Med. College	42	17	-	-	-
Univ. of Tennessee	134	11	1	-	0.7
Baylor University	118	19	2	-	1.5
Univ. of Texas, Houston	109	16	2	1	2.4
Univ. of Texas, S.A.	118	27	5	1	4.1
Virginia Com. University	85	25	1	-	0.9
Univ. of Washington	87	16	-	1	1.0
West Virginia Univ.	59	7	-	-	-
Marquette University	128	12	2	-	1.3
Univ. of Puerto Rico	34	31	2	-	3.1
Total	5207	981	75	20	1.5

TABLE 9

SUMMARY STATISTICS
OF
REASON FOR WITHDRAWAL
SOPHOMORE CLASS 1979-80

School	Personal		Scholastic Difficulty					
			Didactic only		Manual only		Both Didactic and Manual	
	M	F	M	F	M	F	M	F
University of Alabama	-	-	-	-	-	-	1	-
University of the Pacific	-	-	-	-	-	-	-	-
Univ. of California, S.F.	-	-	-	-	-	-	-	-
Univ. of California, L.A.	1	2	-	-	1	-	-	-
Univ. of Southern California	-	-	-	-	2	-	1	-
Loma Linda University	-	-	-	-	-	-	1	-
University of Colorado	-	-	-	-	-	-	-	-
Univ. of Connecticut	2	1	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-
Howard University	2	-	-	1	1	-	-	-
University of Florida	1	-	-	-	-	-	-	-
Emory University	2	1	-	-	-	-	-	-
Medical College of Georgia	-	1	-	-	-	-	-	-
Loyola University	-	-	-	-	-	-	-	1
Northwestern University	2	-	1	-	-	-	-	-
Southern Illinois University	-	-	-	-	-	-	-	-
University of Illinois	1	-	-	-	-	-	-	-
Indiana University	4	-	-	-	-	-	1	-
University of Iowa	1	-	-	-	-	-	-	-
University of Kentucky	-	-	-	-	-	-	-	-
Univ. of Louisville	1	-	1	-	-	-	-	-
Louisiana State University	-	-	-	-	-	-	-	-
University of Maryland	-	1	-	-	-	-	-	-
Harvard University	1	-	1	-	-	-	-	-
Boston University	1	1	1	-	-	-	-	-
Tufts University	1	-	-	-	-	-	-	-
University of Detroit	-	-	-	-	-	-	-	-
University of Michigan	2	1	-	-	-	-	1	-
Univ. of Minnesota	2	-	-	-	-	-	-	-
Univ. of Mississippi	2	-	-	-	-	-	-	-
Univ. of Missouri, K.C.	1	-	1	-	-	-	-	-
Washington University	1	-	-	-	-	-	-	-
Creighton University	-	-	-	-	-	-	-	-
University of Nebraska	1	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	-	-	1	1	-	-	-	-
New Jersey College	1	-	-	-	-	-	-	-
Columbia University	1	-	-	-	-	-	-	-
New York University	2	-	-	-	1	-	-	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	1	-	-	-	1	-	-	-
Univ. of North Carolina	1	-	-	-	-	-	-	-
Ohio State University	2	-	-	-	-	-	-	-
Case Western Reserve Univ.	-	-	-	-	-	-	-	-
University of Oklahoma	1	1	-	-	-	-	-	-
Oral Roberts University	-	-	-	-	1	2	-	-
University of Oregon	-	-	-	-	-	-	-	-
Temple University	1	-	-	-	-	-	-	-
Univ. of Pennsylvania	2	2	-	-	-	-	-	-
Univ. of Pittsburgh	-	1	-	-	-	-	1	-
Univ. of South Carolina	-	-	-	-	-	-	-	-
Meharry Med. College	-	-	-	-	-	-	-	-
Univ. of Tennessee	1	-	-	-	-	-	1	-
Baylor University	1	-	-	-	-	-	-	-
Univ. of Texas, Houston	2	1	-	-	-	-	-	-
Univ. of Texas, S.A.	2	-	1	-	-	1	2	-
Virginia Com. University	1	-	-	-	-	-	-	-
Univ. of Washington	-	1	-	-	-	-	-	-
West Virginia Univ.	-	-	-	-	-	-	-	-
Marquette University	1	-	1	-	-	-	-	-
Univ. of Puerto Rico	2	-	-	-	-	-	-	-
Total	51	14	8	2	7	3	9	1

TABLE 10

SUMMARY STATISTICS
JUNIOR CLASS 1979-80

School	Number of Juniors M	Number of Juniors F	Number of Withdrawals M	Number of Withdrawals F	Attrition % of both male and female
University of Alabama	67	13	-	-	-
University of the Pacific	-	-	-	-	-
Univ. of California, S.F.	76	14	1	1	2.2
Univ. of California, L.A.	59	34	1	1	2.2
Univ. of Southern California	110	9	-	-	-
Loma Linda University	86	5	1	-	1.1
Univ. of Colorado	19	2	-	-	-
Univ. of Connecticut	42	8	-	-	-
Georgetown University	134	10	-	-	-
Howard University	72	23	-	2	2.1
University of Florida	49	10	-	-	-
Emory University	95	12	-	-	-
Medical College of Georgia	57	7	-	1	1.6
Loyola University	111	21	-	-	-
Northwestern University	90	12	3	-	2.9
Southern Illinois Univ.	-	-	-	-	-
University of Illinois	109	23	1	-	0.8
Indiana University	120	13	2	-	1.5
University of Iowa	83	9	1	-	1.1
University of Kentucky	46	11	2	-	3.5
Univ. of Louisville	70	15	1	-	1.2
Louisiana State Univ.	78	7	4	1	5.9
University of Maryland	94	18	2	1	2.7
Harvard University	12	6	2	-	11.1
Boston University	31	8	1	-	2.6
Tufts University	-	-	-	-	-
University of Detroit	76	10	-	-	-
University of Michigan	116	30	-	-	-
Univ. of Minnesota	120	22	-	-	-
Univ. of Mississippi	31	4	-	-	-
Univ. of Missouri, K.C.	141	16	2	-	1.3
Washington University	75	9	1	-	1.2
Creighton University	75	4	1	-	1.3
University of Nebraska	55	9	-	-	-
Fairleigh Dickinson Univ.	75	11	-	-	-
New Jersey College	67	13	3	-	3.8
Columbia University	42	12	-	-	-
New York University	-	-	-	-	-
Univ. of New York, S.B.	18	4	1	-	4.5
Univ. of New York, Buffalo	79	11	1	-	1.1
Univ. of North Carolina	65	10	-	-	-
Ohio State University	-	-	-	-	-
Case Western Reserve Univ.	79	20	-	-	-
University of Oklahoma	69	7	1	-	1.3
Oral Roberts University	-	-	-	-	-
University of Oregon	67	6	1	-	1.4
Temple University	131	18	-	-	-
Univ. of Pennsylvania	138	30	1	-	0.6
Univ. of Pittsburgh	112	27	1	-	0.7
Univ. of South Carolina	49	7	-	-	-
Meharry Med. College	49	16	-	-	-
Univ. of Tennessee	130	15	1	-	0.7
Baylor University	-	-	-	-	-
Univ. of Texas, Houston	95	28	-	-	-
Univ. of Texas, S.A.	123	18	4	1	3.5
Virginia Com. University	87	22	1	-	0.9
Univ. of Washington	88	18	1	-	0.9
West Virginia Univ.	51	4	-	-	-
Marquette University	132	8	1	-	0.7
Univ. of Puerto Rico	42	20	-	-	-
Total	4187	719	43	8	1.0

TABLE 11

SUMMARY STATISTICS
OF
REASON FOR WITHDRAWAL
JUNIOR CLASS 1979-80

School	Personal		Scholastic Difficulty						Clinic	
			Didactic only		Manual only		Both Didactic and Manual			
	M	F	M	F	M	F	M	F	M	F
University of Alabama	-	-	-	-	-	-	-	-	-	-
University of the Pacific	-	-	-	-	-	-	-	-	-	-
Univ. of California, S.F.	1	1	-	-	-	-	-	-	-	-
Univ. of California, L.A.	1	1	-	-	-	-	-	-	-	-
Univ. of Southern California	-	-	-	-	-	-	-	-	-	-
Loma Linda University	-	-	-	-	-	-	1	-	-	-
University of Colorado	-	-	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	-	-	-	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-	-	-
Howard University	-	1	-	-	-	-	-	-	-	1
University of Florida	-	-	-	-	-	-	-	-	-	-
Emory University	-	-	-	-	-	-	-	-	-	-
Medical College of Georgia	-	1	-	-	-	-	-	-	-	-
Loyola University	-	-	-	-	-	-	-	-	-	-
Northwestern University	3	-	-	-	-	-	-	-	-	-
Southern Illinois University	-	-	-	-	-	-	-	-	-	-
University of Illinois	1	-	-	-	-	-	-	-	-	-
Indiana University	-	-	-	-	-	-	-	-	2	-
University of Iowa	1	-	-	-	-	-	-	-	-	-
University of Kentucky	1	-	1	-	-	-	-	-	-	-
Univ. of Louisville	1	-	-	-	-	-	-	-	-	-
Louisiana State Univ.	2	-	-	-	-	-	-	-	2	1
University of Maryland	-	-	-	-	-	-	-	-	2	1
Harvard University	2	-	-	-	-	-	-	-	-	-
Boston University	1	-	-	-	-	-	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-	-	-
University of Detorit	-	-	-	-	-	-	-	-	-	-
University of Michigan	-	-	-	-	-	-	-	-	-	-
Univ. of Minnesota	-	-	-	-	-	-	-	-	-	-
Univ. of Mississippi	-	-	-	-	-	-	-	-	-	-
Univ. of Missouri, K.C.	2	-	-	-	-	-	-	-	-	-
Washington University	1	-	-	-	-	-	-	-	-	-
Creighton University	-	-	-	-	1	-	-	-	-	-
University of Nebraska	-	-	-	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	-	-	-	-	-	-	-	-	-	-
New Jersey College	2	-	-	-	1	-	-	-	-	-
Columbia University	-	-	-	-	-	-	-	-	-	-
New York University	-	-	-	-	-	-	-	-	-	-
Univ. of New York, S.B.	1	-	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	-	-	-	-	-	-	-	-	1	-
Univ. of North Carolina	-	-	-	-	-	-	-	-	-	-
Ohio State University	-	-	-	-	-	-	-	-	-	-
Case Western Reserve Univ.	-	-	-	-	-	-	-	-	-	-
University of Oklahoma	1	-	-	-	-	-	-	-	-	-
Oral Roberts University	-	-	-	-	-	-	-	-	-	-
University of Oregon	1	-	-	-	-	-	-	-	-	-
Temple University	-	-	-	-	-	-	-	-	-	-
Univ. of Pennsylvania	1	-	-	-	-	-	-	-	-	-
Univ. of Pittsburgh	-	-	-	-	-	-	-	-	1	-
Univ. of South Carolina	-	-	-	-	-	-	-	-	-	-
Meharry Med. College	-	-	-	-	-	-	-	-	-	-
Univ. of Tennessee	1	-	-	-	-	-	1	-	-	-
Baylor University	-	-	-	-	-	-	-	-	-	-
Univ. of Texas, Houston	-	-	-	-	-	-	-	-	-	-
Univ. of Texas, S.A.	1	1	-	-	-	-	-	-	3	-
Virginia Com. University	1	-	-	-	-	-	-	-	-	-
Univ. of Washington	1	-	-	-	-	-	-	-	-	-
West Virginia Univ.	-	-	-	-	-	-	-	-	-	-
Marquette University	-	-	-	-	-	-	1	-	-	-
Univ. of Puerto Rico	-	-	-	-	-	-	-	-	-	-
Total	27	5	1	-	2	-	2	-	11	3

TABLE 12

SUMMARY STATISTICS
SENIOR CLASS 1979-80

School	Number of Seniors M	F	Number of Withdrawals M	F	Attrition % of both male and female
University of Alabama	53	12	-	-	-
University of the Pacific	120	11	-	-	-
Univ. of California, S.F.	71	14	-	-	-
Univ. of California, L.A.	78	29	1	1	1.9
Univ. of Southern California	101	13	-	-	-
Loma Linda University	76	11	1	-	1.1
Univ. of Colorado	23	2	-	-	-
Univ. of Connecticut	38	6	-	-	-
Georgetown University	130	7	-	-	-
Howard University	70	21	-	-	-
University of Florida	47	11	-	-	-
Emory University	84	8	-	-	-
Medical College of Georgia	52	5	-	-	-
Loyola University	113	19	-	-	-
Northwestern University	89	13	2	-	2.0
Southern Illinois Univ.	39	7	-	-	-
University of Illinois	105	16	-	-	-
Indiana University	104	18	2	-	1.6
University of Iowa	87	9	-	-	-
University of Kentucky	51	9	-	-	-
Univ. of Louisville	64	14	1	-	1.3
Louisiana State Univ.	80	11	-	-	-
University of Maryland	110	15	-	-	-
Harvard University	12	6	-	-	-
Boston University	30	7	-	-	-
Tufts University	122	35	-	-	-
University of Detorit	67	6	-	-	-
University of Michigan	117	24	-	-	-
Univ. of Minnesota	144	3	-	-	-
Univ. of Mississippi	23	2	1	-	4.0
Univ. of Missouri, K.C.	152	11	2	-	1.2
Washington University	-	-	-	-	-
Creighton University	71	3	-	-	-
University of Nebraska	58	6	-	-	-
Fairleigh Dickinson Univ.	71	7	-	-	-
New Jersey College	-	-	-	-	-
Columbia University	41	15	-	-	-
New York University	160	32	1	-	0.5
Univ. of New York, S.B.	23	4	-	-	-
Univ. of New York, Buffalo	77	7	-	-	-
Univ. of North Carolina	63	12	-	-	-
Ohio State University	177	18	4	-	0.5
Case Western Reserve Univ.	76	23	-	-	-
University of Oklahoma	58	5	-	-	-
Oral Roberts University	-	-	-	-	-
University of Oregon	70	6	-	-	-
Temple University	122	14	-	-	-
Univ. of Pennsylvania	126	31	-	-	-
Univ. of Pittsburgh	106	18	1	-	0.8
Univ. of South Carolina	1	-	-	-	-
Meharry Med. College	13	5	-	-	-
Univ. of Tennessee	74	7	-	-	-
Baylor University	116	13	-	-	-
Univ. of Texas, Houston	96	14	1	-	0.9
Univ. of Texas, S.A.	121	16	-	-	-
Virginia Com. University	93	17	1	-	0.9
Univ. of Washington	73	17	-	-	-
West Virginia Univ.	54	4	-	-	-
Marquette University	113	18	3	-	2.3
Univ. of Puerto Rico	45	19	4	-	6.3
Total	4550	706	25	1	0.5

TABLE 13

SUMMARY STATISTICS
OF
REASON FOR WITHDRAWAL
SENIOR CLASS 1979080

School	Personal		Scholastic Difficulty						Clinic	
			Didactic only		Manual only		Both Didactic and Manual			
	M	F	M	F	M	F	M	F	M	F
University of Alabama	-	-	-	-	-	-	-	-	-	-
University of the Pacific	-	-	-	-		-	-	-	-	-
Univ. of California, S.F.	-	-	-	-	-	-	-	-	-	-
Univ. of California, L.A.	-	1	-	-	-	-	-	-	-	1
Univ. of Southern California	-	-	-	-	-	-	-	-	-	-
Loma Linda University	1	-	-	-	-	-	-	-	-	-
University of Colorado	-	-	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	-	-	-	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-	-	-
Howard University	-	-	-	-	-	-	-	-	-	-
University of Florida	-	-	-	-	-	-	-	-	-	-
Emory University	-	-	-	-	-	-	-	-	-	-
Medical College of Georgia	-	-	-	-	-	-	-	-	-	-
Loyola University	-	-	-	-	-	-	-	-	-	-
Northwestern University	1	-	-	-	-	-	-	-	1	-
Southern Illinois Univ.	-	-	-	-	-	-	-	-	-	-
University of Illinois	-	-	-	-	-	-	-	-	-	-
Indiana University	1	-	-	-	-	-	-	-	1	-
University of Iowa	-	-	-	-	-	-	-	-	-	-
University of Kentucky	-	-	-	-	-	-	-	-	-	-
Univ. of Louisville	1	-	-	-	-	-	-	-	-	-
Louisiana State Univ.	-	-	-	-	-	-	-	-	-	-
University of Maryland	-	-	-	-	-	-	-	-	-	-
Harvard University	-	-	-	-	-	-	-	-	-	-
Boston University	-	-	-	-	-	-	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-	-	-
University of Detroit	-	-	-	-	-	-	-	-	-	-
University of Michigan	-	-	-	-	-	-	-	-	-	-
Univ. of Minnesota	-	-	-	-	-	-	-	-	-	-
Univ. of Mississippi	-	-	-	-	1	-	-	-	-	-
Univ. of Missouri, K.C.	-	-	-	-	-	-	-	-	2	-
Washington University	-	-	-	-	-	-	-	-	-	-
Creighton University	-	-	-	-	-	-	-	-	-	-
University of Nebraska	-	-	-	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	-	-	-	-	-	-	-	-	-	-
New Jersey College	-	-	-	-	-	-	-	-	-	-
Columbia University	-	-	-	-	-	-	-	-	-	-
New York University	-	-	-	-	-	-	-	-	1	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	-	-	-	-	-	-	-	-	-	-
Univ. of North Carolina	-	-	-	-	-	-	-	-	-	-
Ohio State University	2	-	-	-	-	-	1	-	1	-
Case Western Reserve Univ.	-	-	-	-	-	-	-	-	-	-
University of Oklahoma	-	-	-	-	-	-	-	-	-	-
Oral Roberts University	-	-	-	-	-	-	-	-	-	-
University of Oregon	-	-	-	-	-	-	-	-	-	-
Temple University	-	-	-	-	-	-	-	-	-	-
Univ. of Pennsylvania	-	-	-	-	-	-	-	-	-	-
Univ. of Pittsburgh	-	-	-	-	-	-	-	-	1	-
Univ. of South Carolina	-	-	-	-	-	-	-	-	-	-
Meharry Med. College	-	-	-	-	-	-	-	-	-	-
Univ. of Tennessee	-	-	-	-	-	-	-	-	-	-
Baylor University	-	-	-	-	-	-	-	-	-	-
Univ. of Texas, Houston	-	-	-	-	-	-	-	-	1	-
Univ. of Texas, S.A.	-	-	-	-	-	-	-	-	-	-
Virginia Com. University	-	-	-	-	-	-	1	-	-	-
Univ. of Washington	-	-	-	-	-	-	-	-	-	-
West Virginia University	-	-	-	-	-	-	-	-	-	-
Marquette University	-	-	-	-	-	-	-	-	3	-
Univ. of Puerto Rico	-	-	-	-	-	-	-	-	4	-
Total	6	1	-	-	1	-	2	-	15	1

TABLE 14

DENTAL STUDENTS
WHO WITHDREW BECAUSE OF
DIFFICULTIES IN DIDACTIC COURSES

School	Freshman #	Freshman Ac. DAT below 4	Sophomore #	Sophomore Ac. DAT below 4	Junior #	Junior Ac. DAT below 4	Senior #	Senior Ac. DAT below 4
University of Alabama	2	2	1	1	-	-	-	-
University of the Pacific	-	-	-	-	-	-	-	-
Univ. of California, S.F.	-	-	-	-	-	-	-	-
Univ. of California, L.A.	1	1	-	-	-	-	-	-
Univ. of Southern California	-	-	1	1	-	-	-	-
Loma Linda University	9	7	1	1	1	1	-	-
University of Colorado	-	-	-	-	-	-	-	-
Univ. of Connecticut	1	-	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-
Howard University	7	6	1	1	-	-	-	-
University of Florida	-	-	-	-	-	-	-	-
Emory University	2	2	-	-	-	-	-	-
Medical College of Georgia	-	-	-	-	-	-	-	-
Loyola University	1	1	1	1	-	-	-	-
Northwestern University	1	1	1	1	-	-	-	-
Southern Illinois Univ.	-	-	-	-	-	-	-	-
University of Illinois	-	-	-	-	-	-	-	-
Indiana University	-	-	1	1	-	-	-	-
University of Iowa	-	-	-	-	-	-	-	-
Univ. of Kentucky	-	-	-	-	1	1	-	-
Univ. of Louisville	3	3	1	1	-	-	-	-
Louisiana State Univ.	5	5	-	-	-	-	-	-
University of Maryland	1	1	-	-	3	3	-	-
Harvard University	-	-	1	1	-	-	-	-
Boston University	1	1	1	1	-	-	-	-
Tufts University	-	-	-	-	-	-	-	-
University of Detroit	1	1	-	-	-	-	-	-
University of Michigan	4	4	1	1	-	-	-	-
Univ. of Minnesota	4	2	-	-	-	-	-	-
Univ. of Mississippi	4	4	-	-	-	-	-	-
Univ. of Missouri, K.C.	3	3	1	1	-	-	-	-
Washington University	-	-	-	-	-	-	-	-
Creighton University	5	4	-	-	-	-	-	-
University of Nebraska	-	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	1	1	2	2	-	-	-	-
New Jersey College	6	6	-	-	-	-	-	-
Columbia University	3	3	-	-	-	-	-	-
New York University	-	-	-	-	-	-	-	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	3	3	-	-	-	-	-	-
Univ. of North Carolina	1	1	-	-	-	-	-	-
Ohio State University	3	3	-	-	-	-	1	1
Case Western Reserve Univ.	3	2	-	-	-	-	-	-
Univ. of Oklahoma	1	1	-	-	-	-	-	-
Oral Roberts University	-	-	-	-	-	-	-	-
University of Oregon	3	3	-	-	-	-	-	-
Temple University	-	-	-	-	-	-	-	-
Univ. of Pennsylvania	-	-	-	-	-	-	-	-
Univ. of Pittsburgh	-	-	1	-	-	-	-	-
Univ. of South Carolina	-	-	-	-	-	-	-	-
Meharry Med. College	-	-	-	-	-	-	-	-
Univ. of Tennessee	3	3	1	1	-	-	-	-
Baylor University	1	1	-	-	-	-	-	-
Univ. of Texas, Houston	-	-	-	-	-	-	-	-
Univ. of Texas, S.A.	5	5	3	2	-	-	-	-
Virginia Com. University	3	2	1	-	-	-	1	1
Univ. of Washington	-	-	-	-	-	-	-	-
West Virginia Univ.	-	-	-	-	-	-	-	-
Marquette University	-	-	1	1	1	1	-	-
Univ. of Puerto Rico	-	-	-	-	-	-	-	-
Total	91	83	21	18	6	6	2	2
		91%		85%		100%		100%

TABLE 15

DENTAL STUDENTS
WHO WITHDREW BECAUSE OF
DIFFICULTIES IN TECHNIC COURSES

School	Freshman #	Freshman PAT DAT below 4	Sophomore #	Sophomore PAT DAT below 4	Junior #	Junior PAT DAT below 4	Senior #	Senior PAT DAT below 4
University of Alabama	-	-	1	1	-	-	-	-
University of the Pacific	-	-	-	-	-	-	-	-
Univ. of California, S.F.	-	-	-	-	-	-	-	-
Univ. of California, L.A.	-	-	1	-	-	-	-	-
Univ. of Southern California	-	-	3	1	-	-	-	-
Loma Linda University	6	1	1	-	1	-	-	-
University of Colorado	-	-	-	-	-	-	-	-
Univ. of Connecticut	-	-	-	-	-	-	-	-
Georgetown University	-	-	-	-	-	-	-	-
Howard University	-	-	1	1	-	-	-	-
University of Florida	-	-	-	-	-	-	-	-
Emory University	1	1	-	-	-	-	-	-
Medical College of Georgia	1	1	-	-	-	-	-	-
Loyola University	1	-	1	1	-	-	-	-
Northwestern University	-	-	-	-	-	-	-	-
Southern Illinois Univ.	-	-	-	-	-	-	-	-
University of Illinois	-	-	-	-	-	-	-	-
Indiana University	-	-	1	1	-	-	-	-
University of Iowa	-	-	-	-	-	-	-	-
Univ. of Kentucky	-	-	-	-	-	-	-	-
Univ. of Louisville	-	-	-	-	-	-	-	-
Louisiana State Univ.	4	4	-	-	-	-	-	-
Univ. of Maryland	-	-	-	-	3	3	-	-
Harvard University	-	-	-	-	-	-	-	-
Boston University	-	-	-	-	-	-	-	-
Tufts University	2	1	-	-	-	-	-	-
University of Detorit	1	-	-	-	-	-	-	-
University of Michigan	2	1	1	1	-	-	-	-
Univ. of Minnesota	3	1	-	-	-	-	-	-
Univ. of Mississippi	-	-	-	-	-	-	1	1
Univ. of Missouri, K.C.	-	-	-	-	-	-	-	-
Washington University	1	-	-	-	-	-	-	-
Creighton University	-	-	-	-	1	1	-	-
University of Nebraska	-	-	-	-	-	-	-	-
Fairleigh Dickinson Univ.	-	-	-	-	-	-	-	-
New Jersey College	3	2	-	-	1	-	-	-
Columbia University	-	-	-	-	-	-	-	-
New York University	-	-	1	1	-	-	-	-
Univ. of New York, S.B.	-	-	-	-	-	-	-	-
Univ. of New York, Buffalo	2	1	1	-	-	-	-	-
Univ. of North Carolina	2	1	-	-	-	-	-	-
Ohio State University	1	1	-	-	-	-	1	-
Case Western Reserve Univ.	4	2	-	-	-	-	-	-
University of Oklahoma	-	-	-	-	-	-	-	-
Oral Roberts University	1	-	3	1	-	-	-	-
University of Oregon	-	-	-	-	-	-	-	-
Temple University	-	-	-	-	-	-	-	-
Univ. of Pennsylvania	-	-	-	-	-	-	-	-
Univ. of Pittsburgh	-	-	1	-	-	-	-	-
Univ. of South Carolina	-	-	-	-	-	-	-	-
Meharry Med. College	-	-	-	-	-	-	-	-
Univ. of Tennessee	4	2	1	-	-	-	-	-
Baylor University	1	1	-	-	-	-	-	-
Univ. of Texas, Houston	-	-	-	-	-	-	-	-
Univ. of Texas, S.A.	-	-	3	3	-	-	-	-
Virginia Com. University	-	-	-	-	-	-	1	-
Univ. of Washington	-	-	-	-	-	-	-	-
West Virginia Univ.	3	3	-	-	-	-	-	-
Marquette University	-	-	-	-	1	-	-	-
Univ. of Puerto Rico	-	-	-	-	-	-	-	-
Total	43	23	20	11	7	4	3	1
		53%		55%		57%		33%